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(54) Method for enhanced bit depth in an imaging apparatus using a spatial light modulator

(57) A method for increasing the number of intensity levels available on one or more color channels in an imaging apparatus (10) using a spatial light modulator (22). Multiple LUTs (52) are loaded into the imaging data path as data is directed to multiple spatial light modula-

tors (22), wherein each spatial light modulator (22) has a separate bias voltage setting. In an alternate embodiment a single spatial light modulator (22) can be used with multiple LUTs (52) and with a changed bias voltage setting appropriate for use with each LUT (52).

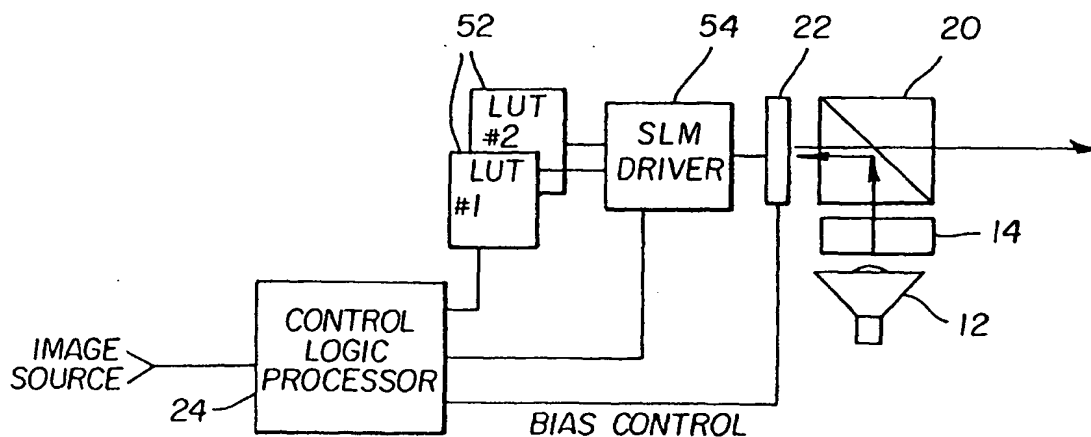


FIG. 6

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